

- 1 -
Date 1621210

piece 1, NC_000913, ydfk_pinQ-, config: linear, direction: -, begin: 1631675, end: 1631310

sd ir ydfK_pinQ-

```
{-----} sd-(14)-ir 1631609 Gap 4.9 bits  
|-----| sd-ir 1631609 ydfK_pio0-total 5.8 bits  
  
P   p35 2.5 bits
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{-----} p35-(23)-p10 1631598 Gap 1.4 bits
----- p35-p10 1631598 total 4.6 bits

p35 3.1 bits

* *1631550 * *1631540 * *1631530 * *1631520 *

The sequence logo illustrates the conservation of amino acids at each position of the peptide chain. The sequence starts with fMet, followed by cys, ile, phe, val, cys, thr, arg, ser, lys, ile, asn, glu, cys, val, cys, asn, pro, val, ile, leu, val, fMet, tyr, val, his, val, arg, lys, ile, cys, met, tyr, thr, phe, glu, asn, lys, arg, met, arg, met, gln, pro, arg, asn, phe, gly, glu.

[####> orf 6 codons

4

... p10 3.6 bits

... ----- } p35-(25)-p10 1631583 Gap 4.0 bits
... ----- } p35-p10 1631583 total 4.3 bits

5' a g a c c c a a a a t c g a t t t g t g a a a a a t g g c t t a a c t c g g t t t c g a g t t c c g g g c g g a c t c a a g g a a g a a g a a t a 3'

The diagram illustrates the mature tRNAs and their amino acid assignments. The mature tRNAs are shown as colored arrows pointing to their respective amino acids:

- *1631430 → -val-
- *1631420 → -leu-
- *1631410 → -ile-
- *1631400 → -thr-
- *1631390 → -arg-
- *1631380 → -phe-
- *1631370 → -ser-
- *1631360 → -lys-

The tRNA precursor is labeled with various amino acids in different colors: val, leu, ile, thr, arg, phe, ser, lys, glu, asn, and asp. A red dot indicates a processing site at the 3' end of the precursor.

[### ... orf

sd p10 4.7 bit

{ } sd-(5)-ir 1631383 Gap 5.4 bits
sd-ir 1631383 ydFK_pin0- total 5.3 bits

sd{ --- ... p35

{-----} p35-(24)-p10 1631376 Gap 2.4 bits

... p35

